

Subject Index to Volume 30

A

Adipocytes

GLUT-4 turnover rate in fasting and diabetes, E132
from Zucker rat: expression of fatty mutation in cultured cells, E439

Adipose tissue

brown: thermogenic effects of norepinephrine: potentiation by caffeine and paraxanthine, E801
metabolism studies: dialysis vs. vein catheterization techniques, E1035
white: regional variations in metabolic responses to food restriction, E892

Adrenal gland

renin synthesis in, and aldosterone synthesis in transgenic rat (mREN2)27, E515
responses to acetylcholine: effects of substance P on, E447
role in fatty acid control of hepatic gluconeogenesis, E528

Adrenergic receptors

density modulation by exercise: effects of dietary energy restriction, E694
in stimulation of placental renin secretion: role of cAMP-dependent protein kinase, E954

β_2 -Adrenergic receptors

thymic: characterization, expression, and hormonal control, E718

β_2 -Adrenergic receptor agonists

anabolic effects: salmeterol vs. clenbuterol, E475

β -Adrenergic stimulation

and muscle metabolism in obesity
effect of weight reduction, E316
effect on energy expenditure, E306

Adrenocortical steroids

gluco- vs. mineralocorticoid effects on sleep and hormonal secretion, E109

Adrenocorticotropic hormone

pulsatile secretion by sheep fetus during late gestation: regulation by cortisol, E521

Aging

decline in hepatic gluconeogenesis: role of catecholamines and effect of exercise training, E680

hypoglycemia counterregulation in elderly humans, E497

norepinephrine increase in plasma: relation to exercise, E380

protein synthesis: postprandial myofibrillar and whole body, E599

Alkaline phosphatase

altered gene expression in spaceflight and hindlimb elevation, E822

Alloxan

membrane site of cardiotoxicity, E57

Amiloride

cerebroventricular infusion: effect on mineralocorticoid hypertension, E754

Amino acids

aromatic
for neonatal total parenteral nutrition: tyrosine precursors as source, E672

B

branched-chain

dietary: effects on ammonia and protein metabolism during exercise, E1010

kinetics

leucine kinetics during feeding: effect of whole protein vs. oligopeptide feedings, E907

measurement of protein synthesis and breakdown in skin and muscle, E467

role in protein turnover during catabolism: effect on protein synthesis in lactating goats, E877

Ammonia

production in muscle during exercise: effects of oral branched-chain amino acids, E1010

Amylin

effect on insulin secretion in vivo, E300
radioimmunoassay for, E156
role in insulin resistance and obesity, E156

Anabolic agents

salmeterol vs. clenbuterol, E475

Androgens

effects on cancellous bone volume in osteopenia, E853

Angiotensin I-converting enzyme

gene expression and plasma levels: postnatal evolution, E745

Angiotensin II

pressor responsiveness to: effect of ouabain in normal man, E642

Angiotensin II receptors: AT_{1A} and AT_{1B} subtypes

ontogeny of tissue localization, E828
tissue-specific expression of AT_{1A} and AT_{1B} genes, E260

Antioxidants

melatonin protection from alloxan-induced cardiac sarcolemma toxicity, E57

B

Blood-brain barrier

and transport of neuropeptides, E124

Blood flow

effects of insulin on (review), E187

Blood pressure

in DÖCA rats: central effects of mineralocorticoid antagonist RU-28318, E927

effects of insulin on (review), E187

response to stress: effect of mineralocorticoid receptor antagonist RU-28318, E921

Bone

see also Growth factors

epiphyseal cartilage: sodium-dependent Pi transport in growth plate chondrocytes, E24

formation

due to mechanical stimulation: role of prostaglandins, E287

mechanism of androgenic effects in, E853

osteoblast differentiation: altered gene expression in spaceflight and hindlimb elevation, E822

remodeling: role of mononuclear cells, E868

Brain

see also Hypothalamus

effects of intracerebroventricular RU-28318 on cardiovascular and neuroendocrine responses to stress, E921

mineralocorticoid central effects on blood pressure: effect of central amiloride infusion, E754

mineralocorticoid receptor sites: role in pathogenesis of mineralocorticoid hypertension, E927

regional protein synthesis after systemic IL-1 β administration, E915

Brown fat, *see under* Adipose tissue

C

Caffeine

thermogenic effects: mechanisms of adrenergic interactions, E801

Calbindin D_{9k}

localization in pancreas, E356

Calcitonin gene-related peptide

effects on pancreatic endocrine secretions, E847

Calcitriol, *see* Vitamin D₃, 1,25(OH)₂ Calcium

extracellular

influx: role in prolactin release after dopamine withdrawal, E789

role in endothelin-1-modulated renin and prolactin release from human decidua, E842

intracellular

in pancreatic B cells: effect of glucose metabolism, E769

and regulation of parathyroid hormone secretion, E429

role in uterine contractions, E77

uptake by chorioallantoic membrane: effects of vitamins D and K, E837

Calcium channels

verapamil-sensitive: role in prolactin release after dopamine withdrawal, E789

Carbon dioxide production

in nutritionally supported patients: effect of glucose-to-lipid ratio and type of lipid, E775

Cardiac output

effects of insulin on (review), E187

Catecholamines

in hepatic gluconeogenesis: effects of aging and exercise training, E680
plasma and platelet levels as measure of exercise-induced sympathetic activity, E537

removal from plasma: roles of uptake₁ and catechol-O-methyltransferase, E814

Catechol-O-methyltransferase

role in removal of catecholamines from plasma, E814

Cell metabolism

convolution method for data analysis in perfusion systems, E759

regulation by cellular hydration state (review), E343

SUBJECT INDEX TO VOLUME 30

Cell volume

role in regulation of cell function (review), E343

Chloroquine

effect on protein turnover, E183

Cholecystokinin octapeptide

effects on neuropeptide Y and peptide YY receptors in human neuroblastoma cell lines, E702

Chorioallantoic membrane

calcium uptake by: effects of vitamins D and K, E837

Cigarette smoking

effects on lipid metabolism, and weight gain after cessation, E1023

Circadian rhythm

stochastic modeling of hypothalamic pulse generator activity, E795

Cirrhosis

kinetics of liver and muscle glycogen synthase and pyruvate dehydrogenase complex in, E900

phenylalanine fasting and postprandial kinetics in, E140

Clenbuterol

anabolic effects, vs. salmeterol, E475

Convolution method for data analysis in perfusion systems

E759

Copper

dietary: effect on zinc metabolism, E165

Corticotropin-releasing factor

effects on neuropeptide Y and peptide YY receptors in human neuroblastoma cell lines, E702

Cortisol

as regulator of pulsatile ACTH secretion in sheep fetus during late gestation, E521

D**Decidua**

mechanisms of endothelin-1-modulated renin and prolactin release, E842

Dexamethasone

effect on insulin-like growth factor-I in granulosa cells, E115

Diabetes

hypoglycemia counterregulation in normal elderly humans, E497

insulin effect on vascular protein kinase C and diacylglycerol levels, E369

non-insulin-dependent

and abnormalities in tissue lipids, E95

post-GLUT-2 pancreatic β -cell defects in Zucker rat, E968

pulsatile insulin secretion in Zucker rat, E250

Diacylglycerol

diabetes- and glucose-induced: effect of insulin pretreatment, E369

Diet

see also Food intake

energy restricted

effects on adrenoceptor and metabolic responses to exercise in obese subjects, E694

energy surplus

metabolic interactions with cigarette smoking or its cessation, E1023

fish oil-lard

effects on rat plasma lipoproteins, liver fatty acid synthase, and lipolytic enzymes, E975

high-fat

postprandial fat metabolism in formerly obese women, E549

Dietary components

copper: effect on zinc metabolism, E165

5 α -Dihydrotestosterone

effects on cancellous bone volume in osteopenic ovariectomized rats, E853

Dopamine

removal from plasma: roles of uptake₁ and catechol-O-methyltransferase, E814

withdrawal-induced prolactin release

role of Ca²⁺ influx, E789

role of membrane hyperpolarization, E781

Doubly labeled water method

revised N_D/N_O calculations, E585, E805

Dynorphin

binding to neuropeptide Y and peptide YY receptors in human neuroblastoma cell lines, E702

E**Editorials**

energy expenditure measurement in humans: doubly labeled water method: revised calculations, E805

retrospective on Modeling Methodology Forum: review process for modeling papers, E485

Embryo

chorioallantoic membrane: calcium uptake by: effects of vitamins D and K, E837

Endocrine cells

release of gastric inhibitory polypeptide, E489

Endothelin-1

big: conversion to peptide in placental arteries, E242

role in renin and prolactin release from human decidua, E842

Endothelium

vascular: effect of insulin on protein kinase C and diacylglycerol, E369

Energy expenditure

relation to sleep stage, E732

Energy expenditure studies

doubly labeled water method: revised

N_D/N_O calculations, E585, E805

in patients with major trauma: new method for estimating expenditure components, E1002

Epinephrine

removal from plasma: roles of uptake₁ and catechol-O-methyltransferase, E814

17 β -Estradiol

effects on incorporation of growth factors into extracellular matrix of osteoblast-like cells, E990

Estrogen

anorectic effect: role of hypothalamic paraventricular nucleus, E32

Estrous cycle

effect on thymic β_2 -adrenergic receptor, E718

Ethanol

effects on insulin-mediated glucose use by skeletal muscle, E886

Exercise

adrenoceptor and metabolic responses in obese: effects of dietary energy restriction, E694

and age-associated plasma norepinephrine increase, E380

ammonia production in muscle during: effects of oral branched-chain amino acids, E1010

effect on age-related decline in hepatic gluconeogenesis, E680

effects on skeletal muscle mitochondria, E388

fat metabolism during: effect of endurance training, E934

glucose production in: sensitivity to glucose supply and demand, E411

muscle glycogenesis during recovery, E210

sympathetic activity from: use of plasma and platelet catecholamines as measure, E537

and thyroid hormone: in muscle growth and myosin heavy chain gene expression, E63

Extracellular matrix

of fetal osteoblast-like cells: incorporation of growth factors: effects of 17 β -estradiol, E990

F**Fat deposition**

in Zucker rats: role of sympathetic and nonsympathetic factors, E947

Fat metabolism

during exercise: effect of endurance training, E934

Fatty acid synthase

in liver: effects of dietary fish oil, E975

Fatty acids

free: lowering by acipimox: effect on glucose uptake in muscle after fasting, E941

and glucocorticoids, in control of hepatic gluconeogenesis, E528

short-chain

chemical specificity of: and insulin and glucagon secretion, E234

synthesis in white adipose tissue depots: relation to glucose metabolism rate, E892

Fetus

angiotensin II receptor subtypes AT_{1A} and AT_{1B}: ontogeny of tissue localization, E828

diabetic increase in iron demand: effects on placental transferrin receptor, E507

fetoplacental serine exchange at midgestation, E150

nuclear thyroid hormone receptors: ontogeny and modulation by thyroid status, E687

osteoblast-like cells: growth factor incorporation into extracellular matrix: effect of 17 β -estradiol, E990

pulsatile ACTH secretion during late gestation in sheep: regulation by cortisol, E521

Fish oil

dietary: effects on plasma lipoproteins, liver fatty acid synthase, and lipolytic enzymes, E975

Food intake

restricted: metabolic responses in white adipose tissue depots: regional variations, E892

Fructose infusion

effects on endogenous glucose production, gluconeogenesis, and glycogen metabolism, E710

G**Gastric inhibitory polypeptide**

release from endocrine cells, E489

Gestation

see also Fetus

big endothelin-1 conversion to peptide in

placental arteries, E242

diabetic increase in fetal iron demand:

 effects on placental transferrin receptor, E507

effect on thymic β_2 -adrenergic receptor, E718

fetoplacental serine exchange, E150

placental extracellular glutathione peroxidase synthesis and secretion, E68

role of $[Ca^{2+}]$ in uterine contractions, E77

thyroxine and 3,5,3'-triiodothyronine production, metabolism, and distribution in near-term rat, E860

Glucagon

see also Proglucagon

response to substance P and calcitonin gene-related peptide, E847

secretion: specificity of stimulating fatty acids in sheep, E234

Glucocorticoids

and fatty acids in control of hepatic gluconeogenesis, E528

Glucoseogenesis

hepatic

 role of fatty acids and glucocorticoids, E528

 role of norepinephrine and effects of aging and exercise, E680

substrate cycling between pyruvate and oxaloacetate, E273

Glucose

concentrations and transport: measuring by dialysis vs. vein catheterization, E1035

hepatic output: effects of fructose infusion, E710

hepatic production, exercise-induced: sensitivity to glucose supply and demand, E411

homeostasis

 interleukin-1 α -mediated: central vs. peripheral adrenergic control, E499

 regulation in elderly humans, E497

metabolism

 in liver: effect of growth hormone on, E454

 role in pancreatic islet $[Ca^{2+}]$ regulation, E769

rate of utilization in white adipose tissue depots: relation to lipogenesis rate, E892

uptake in heart and skeletal muscle after fasting: effect of antilipolysis, E941

use by skeletal muscle, insulin-mediated: effects of ethanol intake, E886

Glucose transporters

in fetal and adult hepatocytes, E88

GLUT-1 and GLUT-3

 neurohypophyseal expression in water-deprived or diabetic rats, E605

GLUT-1 vs. GLUT-4

 insulin responsiveness in transgenic mice, E738

GLUT-2

post-transporter β -cell defects in Zucker rat, E968

GLUT-4 (insulin-sensitive)

adipocyte turnover in fasting and diabetes, E132

effect of insulin-like growth factor-I in muscle, E461

effect of phenylarsine oxide on, E14 role in glucose-induced insulin resistance, E808

Glutamic acid dimethyl ester

insulinotropic action, E573

Glutathione peroxidase

extracellular: placental synthesis and secretion, E68

Glycerol

plasma appearance rate during exercise: effect of endurance training, E934

Glycine

interconversion with serine at midgestation, E150

Glycogen

hepatic metabolism: effects of fructose infusion, E710

Glycogen synthase

kinetics in liver and muscle: effect of hepatic cirrhosis, E900

Glyconeogenesis

during recovery from exercise, E210

Granins

secretogranin II: mRNA induction by protein synthesis inhibitors in GH₄C₁ pituitary cells, E656

Growth factors

incorporation in extracellular matrix of fetal osteoblast-like cells: effects of 17 β -estradiol, E990

insulin-like

 altered gene expression in osteoblast during spaceflight and hindlimb elevation, E822

 binding proteins: growth hormone and parathyroid hormone stimulation in osteoblasts, E226

 gene expression in bone during skeletal growth, E278

 insulin-like receptors

 altered gene expression in osteoblast during spaceflight and hindlimb elevation, E822

 gene expression in bone during skeletal growth, E278

 insulin-like I

 actions in muscle protein metabolism, E331

 binding proteins: role of growth hormone in gene expression, E396

 effects on glucose transporter system in muscle, E461

 in granulosa cells: effect of dexamethasone on, E115

 mechanism of protein synthesis, vs. insulin, E591

 role of growth hormone in gene expression, E396

 stimulation of bone formation by, E1

Growth hormone

effect on hepatic glucose and insulin metabolism, E454

effect on insulin-like growth factor binding proteins in osteoblasts, E226

and insulin: effects on growth and body composition, E293

role in cardiac function, E219

role in hepatic expression of insulin-like growth factor-I and its binding proteins, E396

as therapy for trauma patients: effects on lipid kinetics, E560

H**Heart**

see also Muscle, heart

dietary fish oil effects on plasma lipoproteins, liver fatty acid synthase, and lipolytic enzymes, E975

role of growth hormone in function, E219

sarcolemma: melatonin protection from alloxan-induced membrane toxicity, E57

Heart rate

response to stress: effect of mineralocorticoid receptor antagonist RU-28318, E921

Hepatocytes

fetal and adult: glucose transporters in, E88

Hindlimb suspension

effect on skeletal pattern of gene expression, E822

Hyperaminoacidemia

effect on muscle and liver protein synthesis in lactating goats, E877

Hyperglycemia

effect on muscle glucose transport and GLUT-4 distribution, E808

Hyperinsulinemia

effect on muscle and liver protein synthesis in lactating goats, E877

Hyperparathyroidism

secondary: calcium-regulated parathyroid hormone secretion in: effect of calcitriol, E961

Hyperpolarization

of membrane: role in prolactin release after dopamine withdrawal, E781

Hypertension

effect of ouabain on pressor responsiveness in normal man, E642

mineralocorticoid-dependent

central effects of mineralocorticoid antagonist RU-28318 on blood pressure of DOCA rats, E927

effect of central amiloride infusion, E754

renin transgenic rat (mREN2)27: adrenal renin and aldosterone biosynthesis, E515

RU-28318 effects on cardiovascular and neuroendocrine responses to stress, E921

Hypoglycemia

counterregulation

 effect of physiological hyperinsulinemia, E402

 in elderly humans, E497

Hypothalamic-pituitary-adrenocortical axis

GLUT-1 and GLUT-3 expression in water-deprived or diabetic rats, E605

Hypothalamic-pituitary axis

prolactin release after dopamine withdrawal

 role of Ca^{2+} influx, E789

- Hypothalamic-pituitary axis**
(continued)
role of membrane hyperpolarization, E781
- Hypothalamic pulse generator**
stochastic modeling of activity, E795
- Hypothalamus**
 $5'$ -deiodinase activity and triiodothyronine content: effect on thyroid-stimulating hormone synthesis, E983
paraventricular nucleus: role in estradiol-induced energy imbalance, E32
- I**
- Indomethacin**
effects on bone formation induced by mechanical stimulation, E287
- Insulin**
and antilipolysis effect on glucose uptake in muscle after fasting, E941
effect on counterregulatory response to hypoglycemia, E402
effect on diabetes and glucose-induced protein kinase C and diacylglycerol in vascular tissue, E369
effect on phenylalanyl-tRNA labeling in muscle, E337
exogenous vs. pancreatic: effect on VLDL production, E566
and glucose use by skeletal muscle: effects of ethanol intake, E886
hemodynamic actions (review), E187
metabolism in liver: effect of growth hormone on, E454
pancreatic response to glucose and its metabolites, in prediabetic and diabetic Zucker rat, E968
and protein synthesis
in lactating goats: role in protein turnover during catabolism, E877
mechanism, vs. insulin-like growth factor-I, E591
in skeletal muscle, E102, E337
responsiveness in GLUT-1 vs. GLUT-4 transgenic mice, E738
secretion
effect of amylin in vivo, E300
pulsatile, in Zucker rat, E250
stimulating fatty acids: specificity in sheep, E234
stimulation by glutamic acid dimethyl ester, E573
and somatotropin: effects on growth and body composition, E293
time dependence of effects on leucine metabolism, E361
- Insulin-like growth factors, see under Growth factors**
- Insulin resistance**
effect of muscle biopsy on insulin-stimulated glucose uptake, E544
effect on postprandial lipoprotein lipase modulation, E620
and glucose-induced impairment of insulin-stimulated glucose transport, E808
role of amylin, E156
and tissue lipid abnormalities, E95
- Insulin-sensitive glucose transporter, see under Glucose transporters**
- Interleukin 1 α**
glucoregulation by: role of central vs. peripheral adrenergic stimulation, E49
- role in sepsis-induced inhibition of protein synthesis, E636
systemic administration: effects on regional protein synthesis in rat brain and pituitary, E915
- Interleukin-6**
role in effects of monocyte-conditioned medium on osteoclast formation, E868
- Intestine**
measurement of regional pyruvate and lactate kinetics, E174
- Iodide**
mechanism of efflux from thyroid cells, E323
- Islets of Langerhans, see Pancreas, B cells**
- Isoproterenol**
removal from plasma: roles of uptake₁ and catechol-O-methyltransferase, E814
- K**
- Kidney**
metabolism: contribution to amino acid-induced whole body thermogenesis, E648
- L**
- Lactate**
concentrations and transport: measuring by dialysis vs. vein catheterization, E1035
measurement of regional kinetics, E174 and muscle glycogenogenesis during recovery from exercise, E210
transport in skeletal muscle, E7
- Leucine**
kinetics during feeding: effect of whole protein vs. oligopeptide feedings, E907
metabolism
changes during menstrual cycle, E422
time dependence of insulin effects, E361
- Lipids**
abnormalities in insulin-resistant tissue, E95
kinetics
altered, in growth hormone-treated trauma patients, E560
during exercise: effect of endurance training, E934
metabolism
effects of smoking on, and weight gain after cessation, E1023
of high-fat meal in formerly obese women, E549
type and ratio to glucose: effects on substrate oxidation rate in nutritionally supported patients, E775
- Lipolysis**
inhibition by acipimox: effect on glucose uptake in muscle after fasting, E941
- Lipolytic enzymes**
effects of dietary fish oil, E975
- Lipoprotein lipase**
effects of food restriction on, in white fat depots: regional variations, E892
postprandial modulation: effect of insulin resistance on, E620
- Lipoproteins**
in plasma: effects of dietary fish oil, E975
- very low-density: effect of insulin route on production, E566
- Liver**
cirrhosis
kinetics of liver and muscle glycogen synthase and pyruvate dehydrogenase complex in, E900
phenylalanine fasting and postprandial kinetics in, E140
fatty acid synthase in: effects of dietary fish oil, E975
gluconeogenesis
role of fatty acids and glucocorticoids, E528
role of norepinephrine and effects of aging and exercise, E680
glucose and insulin metabolism: effect of growth hormone on, E454
glucose output and glycogen metabolism: effects of fructose infusion, E710
glucose production: sensitivity to glucose supply and demand, E411
insulin-like growth factor-I and IGF-I-binding protein gene expression: role of growth hormone in, E396
nuclear thyroid hormone receptors: ontogeny and modulation by thyroid status, E687
protein synthesis, in lactating goats: effect of hyperinsulinemia and hyperaminoacidemia, E877
- Luteinizing hormone-releasing hormone**
effects on neuropeptide Y and peptide YY receptors, E702
- M**
- Maturation**
angiotensin II receptor subtypes AT_{1A} and AT_{1B}: ontogeny of tissue localization, E828
perinatal ontogeny of nuclear thyroid hormone receptors and modulation by thyroid status, E687
- Melatonin**
antioxidant protection from alloxan-induced cardiac sarcolemma toxicity, E57
- Membrane**
choriallantoic calcium uptake: effects of vitamins D and K, E837
hyperpolarization: role in prolactin release after dopamine withdrawal, E781
sarcolemma and site of alloxan cardiotoxicity, E57
- Menstrual cycle**
changes in protein metabolism during, E422
- Metabolic rate**
relation to sleep stage, E732
- Metabolic studies**
in patients with major trauma: new method for estimating energy expenditure components, E1002
- Methodologies**
for data analysis in perfusion systems: convolution method, E759
direct plasma radioimmunoassay for rat amylin-(1-37), E156
effect of muscle biopsy on insulin-stimulated glucose uptake, E544

for energy expenditure data: doubly labeled water method: revised N_D/N_O calculations, E585, E805
 for estimating components of energy expenditure in patients with major trauma, E1002
 plasma and platelet catecholamines as measure of sympathetic activity with exercise, E537
 for protein studies leucine clamp to study protein synthesis mechanism of insulin-like growth factor-I, E591 measurement of synthesis and breakdown in skin and muscle, E467 L-[$^2\text{H}_5$]phenylalanine incorporation for measuring synthesis in muscle, E102 precursor pools for synthesis studies, E203
 for quantitating peptide transport across blood-brain barrier, E124
 for stimulating pancreatic β -cell: use of glutamic acid dimethyl ester, E573
 for studies of adipose tissue metabolism: dialysis vs. vein catheterization, E1035
 for studies of norepinephrine kinetics: simplified measurements, E380
Mineralocorticoid antagonist RU-28318
 central effects on blood pressure of DOCA rats, E927
 central effects on cardiovascular and neuroendocrine responses to stress, E921
Mineralocorticoids
 central effects on blood pressure: effect of cerebroventricular amiloride infusion, E754 receptors (type I) in guinea pig and rat, E268
Mitochondria
 biogenesis and gene expression: effects of exercise on, E388
Modeling in physiology
 compartmental model of zinc metabolism for dietary copper study, E165 measurement of regional pyruvate and lactate kinetics, E174
 Modeling Methodology Forum reviewing of papers, E485 stochastic modeling of hypothalamic pulse generator activity, E795 winds of change: current focus of this department, E628
Models
 for β -cell dysfunction in non-insulin-dependent diabetes: Zucker rat, E250 renin transgenic rat (mREN2)27: adrenal renin and aldosterone biosynthesis, E515 streptozotocin-diabetic rat: plasma and pituitary vasopressin levels, E605
Muscle, heart
see also Heart
 antilipolysis: effects on glucose uptake after fasting, E941 exercise vs. thyroid hormones: effects on growth, protein synthesis, and myosin heavy chain gene expression, E63

insulin: effects on phenylalanyl-tRNA labeling and protein synthesis, E337
Muscle, skeletal
see also Exercise
 blood flow: effects of insulin (review), E187 glucose transport and GLUT-4 distribution: effect of glucose infusion, E808 glucos transporter system: effects of insulin-like growth factor-I E461 glucose uptake after fasting: effect of antilipolysis, E941 glycogen synthase and pyruvate dehydrogenase complex: kinetics in liver cirrhosis, E900 insulin-mediated glucose use: effects of ethanol intake, E886 insulin-stimulated glucose uptake: effect of needle biopsy, E544 lactate transport in, E7 measurement of protein synthesis and breakdown, E467 measurement of regional pyruvate and lactate kinetics, E174 nuclear thyroid hormone receptors: ontogeny and modulation by thyroid status, E687 phenylalanyl-tRNA labeling and protein synthesis: effects of insulin, E337 postprandial myofibrillar protein synthesis in young and old human subjects, E599 protein catabolism, sepsis-induced: role of IL-1, E636 protein metabolism: effects of insulin-like growth factor-I, E331 protein synthesis in lactating goats: effect of hyperinsulinemia and hyperaminoacidemia, E877 in response to insulin, E102 proteolysis: role of ubiquitin-conjugating enzyme, E39
Myometrium
 contractions: agonist concentration-response curves, E77
Myosin heavy chain
 gene expression: effects of exercise vs. thyroid hormones, E63
N
Neuroendocrine response to stress
 effect of mineralocorticoid antagonist RU-28318, E921
Neuropeptide Y receptors
 in human neuroblastoma cell lines: effects of neuropeptides on, E702
Neuropeptides
 effects on neuropeptide Y and peptide YY receptors in human neuroblastoma cell lines, E702 transport across blood-brain barrier, E124
Newborn
 angiotensin I-converting enzyme gene expression and plasma levels: postnatal evolution, E745 angiotensin II receptor subtypes AT_{1A} and AT_{1B}: ontogeny of tissue localization, E828 nuclear thyroid hormone receptors: ontogeny and modulation by thyroid status, E687
 total parenteral nutrition for: tyrosine precursors as aromatic amino acid source, E672
Nitrogen
 molecular form: effect on protein metabolism response to feeding, E907
Norepinephrine
 in plasma age-associated rise: relation to exercise, E380 roles of uptake₁ and catechol-O-methyltransferase in removal, E814 simplified measurements of kinetics, E380 pressor responsiveness to: effect of ouabain in normal man, E642 role in hepatic gluconeogenesis: effects of aging and exercise training, E680
Norepinephrine transporter
 role in removal of catecholamines from plasma, E814
O
Obesity
 β -adrenergic effects on muscle metabolism effect of weight reduction, E316 effect on energy expenditure, E306 adrenocortisol and metabolic responses to exercise: effects of dietary energy restriction, E694 excess fat deposition: onset in Zucker rats: sympathetic and nonsympathetic mediators, E947 expression of fatty mutation in Zucker rat adipocytes, E439 metabolism of high-fat meal in formerly obese women, E549 role of amylin, E156 weight gain after cessation of smoking: role of energy intake vs. lipid metabolism, E1023 white fat depots: metabolic responses to food restriction: regional variations, E892
Ontogeny, see Maturation
Osteoblast-like cells, fetal
 extracellular matrix incorporation of growth factors: effects of 17 β -estradiol, E990
Osteoblasts, see under Bone
Osteocalcin
 altered gene expression in spaceflight and hindlimb elevation, E822
Osteoclasts
 effects of monocyte-conditioned medium on formation: role of IL-6 and prostaglandins, E868
Osteopenia
 androgen therapy: mechanism of effects, E853 trabecular bone stimulation by insulin-like growth factor-I, E1
Osteoporosis, see Osteopenia
Ouabain
 effect on pressor responsiveness in normal man, E642
Ovary
 dexamethasone effect on insulin-like growth factor-I in granulosa cells, E115
Oxaloacetate
 substrate cycling between pyruvate and oxaloacetate, E273

- Oxytocin**
myometrial concentration-response curves, E77
- P**
- Palmitate**
plasma appearance rate during exercise: effect of endurance training, E934
- Pancreas**
B cells
[Ca²⁺]_i regulation in: role of glucose metabolism, E769
β-cells
post-GLUT-2 defects, in Zucker diabetic fatty rat, E968
endocrine secretion: responses to substance P and calcitonin gene-related peptide, E847
localization of 1,25(OH)₂D₃ receptor and calbindin D_{28k}, E356
proglucagon gene expression: inhibition: role of elevated proglucagon-derived peptide levels, E662
- Pancreatic polypeptide**
response to substance P and calcitonin gene-related peptide, E847
- Parathyroid hormone**
effect on insulin-like growth factor binding proteins in osteoblasts, E226
role of [Ca²⁺]_i and protein kinase C in regulating secretion, E429
secretion in secondary hyperparathyroidism: effect of calcitriol, E961
- Paraxanthine**
caffiene-like thermogenic effects, E801
- Parenteral nutrition**
glucose-to-lipid ratio and type of lipid: effects on substrate oxidation rate, E775
for newborn: tyrosine precursors as aromatic amino acid source, E672
- Peptide YY receptors**
in human neuroblastoma cell lines: effects of neuropeptides on, E702
- Perfusion**
convolution method for data analysis, E759
- Phenylalanine**
fasting and postprandial kinetics in liver cirrhosis, E140
- Phenylalanyl-tRNA**
labeling in heart and skeletal muscle: effect of insulin, E337
- Phenylarsine oxide**
effect on insulin-stimulated protein phosphatase 1 and GLUT-4, E14
- Phenylephrine**
myometrial concentration-response curves, E77
- Phosphates**
inorganic: sodium-dependent transport in growth plate chondrocytes, E24
- Phospholipases**
C and A₂: parallel activation in iodide efflux from thyroid cells, E323
- Pioglitazone**
effects on tissue lipids, E95
- Pituitary**
5'-deiodinase activity and triiodothyronine content: effect on thyroid-stimulating hormone synthesis, E983
- GH₄C₁** cells: induction of secretogranin II mRNA by protein synthesis inhibitors, E656
neurohypophyseal GLUT-1 and GLUT-3 expression in water-deprived or diabetic rats, E605
prolactin release after dopamine withdrawal
role of Ca²⁺ influx, E789
role of membrane hyperpolarization, E781
regional protein synthesis after systemic IL-1β administration, E915
- Pituitary gonadotropins**
stochastic modeling of hypothalamic pulse generator activity, E795
- Placenta**
β-adrenergic-stimulated renin secretion: role of cAMP-dependent protein kinase, E954
arterial endothelin-1 and its receptor, E242
extracellular glutathione peroxidase synthesis and secretion, E68
fetoplacental serine exchange at midgestation, E150
transferrin receptor: effects of increased fetal iron demand in diabetes, E507
- Platelets**
catecholamines as measure of exercise-induced sympathoadrenergic activity, E537
- Proglucagon-derived peptides**
elevated levels and inhibition of pancreatic proglucagon gene expression, E662
studies in glucagon-SV40 T antigen transgenic mice, E629
- Proglucagon gene expression**
inhibition: role of elevated proglucagon-derived peptide levels, E662
studies in glucagon-SV40 T antigen transgenic mice, E629
- Prolactin**
release after dopamine withdrawal
role of Ca²⁺ influx, E789
role of membrane hyperpolarization, E781
release from human decidua: endothelin-1-modulated mechanisms, E842
- Prostaglandins**
role in bone formation induced by mechanical stimulation, E287
role in effects of monocyte-conditioned medium on osteoclast formation, E868
- Protein kinase**
cAMP-dependent: role in β-adrenergic-stimulated placental renin secretion, E954
- Protein kinase C**
diabetes- and glucose-induced: effect of insulin pretreatment, E369
role in endothelin-1-modulated renin and prolactin release from human decidua, E842
role in regulating [Ca²⁺]_i and parathyroid hormone secretion, E429
- Protein phosphatase 1**
effect of phenylarsine oxide on insulin activation, E14
- Proteins**
metabolism
changes during menstrual cycle, E422
- during exercise: effects of oral branched-chain amino acids, E1010
effects of chloroquine on, E183
effects of insulin-like growth factor-I, E331
measurement in skin and muscle, E467
response to feeding: effect of whole protein vs. oligopeptide feedings, E907
synthesis
effect of insulin, E102, E337
insulin-like growth factor-I vs. insulin mechanisms, E591
measurements of: choice of precursor pools, E203
in muscle and liver: effect of insulin and amino acids in lactating goat, E877
postprandial: myofibrillar and whole body synthesis in young and old humans, E599
synthesis inhibitors
induction of secretogranin II mRNA in GH₄C₁ pituitary cells, E656
in sepsis: role of IL-1, E636
- Proteolysis**
from fasting: role of ubiquitin-conjugating enzyme, E39
- Pulmonary circulation**
catecholamines in: roles of uptake₁ and catechol-O-methyltransferase in removal, E814
- P₂-Purinergic receptor**
role in iodide efflux from thyroid cells, E323
- Pyruvate**
measurement of regional kinetics, E174
substrate cycling between pyruvate and oxaloacetate, E273
- Pyruvate dehydrogenase complex**
kinetics in liver and muscle: effect of hepatic cirrhosis, E900
- R**
- Regulatory cell volume increase and decrease**
in liver cells, E343
- Renin**
β-adrenergic-stimulated placental secretion: role of cAMP-dependent protein kinase, E954
endothelin-1-modulated release from human decidua: mechanisms, E842
transgenic rat (mREN2/27): adrenal renin and aldosterone biosynthesis in, E515
- Renin-angiotensin system**
see also Angiotensin entries
effects of blockade at different sites, E612
- Reviews, invited**
hemodynamic actions of insulin, E187
molecular pathophysiology of glucagon-SV40 T antigen transgenic mice, E629
regulation of cell function by cellular hydration state, E343
- RU-28318**
intracerebroventricular
effects on blood pressure of DOCA rats, E927
effects on cardiovascular and neuroendocrine responses to stress, E921

S**Salmeterol**

anabolic effects: effect of dosage route and comparison with clenbuterol, E475

Sarcolemma

cardiac: melatonin protection from alloxan-induced membrane toxicity, E57

Secretogranin II

mRNA induction by protein synthesis inhibitors in GH₄C₁ pituitary cells, E656

Sepsis

inhibition of protein synthesis: role of IL-1, E636

Serine

fetoplacental exchange at midgestation, E150

Sex steroids

effect on thymic β_2 -adrenergic receptor, E718

Skin

measurement of protein synthesis and breakdown in, E467

Sleep

effects of antiglucocorticoids and anti-mineralocorticoids, E109
stages of: relation to energy expenditure and metabolic rate, E732

Smoking

effects on lipid metabolism, and weight gain after cessation, E1023

Sodium channel

amiloride-sensitive: role in mineralocorticoid central effects on blood pressure, E754

Somatotropin, see Growth hormone**Spaceflight**

effect on skeletal pattern of gene expression, E822

Substance P

effects on adrenal responses to acetylcholine, E447

effects on pancreatic endocrine secretions, E847

Sympathetic nervous system

plasma and platelet catecholamines as measure of activity with exercise, E537

role in excess fat deposition in Zucker rats, E847

role in thermogenic effects of caffeine, E801

Syncytiotrophoblast

transferrin receptor: effects of increased fetal iron demand in diabetes, E507

Systemic circulation

catecholamines in: roles of uptake₁ and catechol-O-methyltransferase in removal, E814

T**Temperature, body**

renal contribution to amino acid-induced whole body thermogenesis, E648

Testosterone

effects on cancellous bone volume in osteopenia, E853

Thermogenesis

from caffeine-adrenergic interactions: mechanisms and mimicking by paraxanthine, E801
whole body, amino acid-induced: renal contribution, E648

Thermoregulation

and mechanism of excess fat deposition in Zucker rats, E947

Thymus

β_2 -adrenergic receptor: characterization, expression, and hormonal control, E718

Thyroid axis

effects of thyroid hormone deiodination in undernourished rats, E983

Thyroid gland

mechanism of iodide efflux, E323

Thyroid hormones

changes during menstrual cycle, E422
deiodination: effects on regulation of thyroid axis in undernourished rats, E983

effect on angiotensin-converting enzyme gene expression and plasma levels during postnatal development, E745

nuclear receptors: perinatal ontogeny and modulation by thyroid status, E687
production, metabolism, and distribution in near-term pregnant rat, E860

role in exercise-induced muscle growth and protein synthesis, E63

triiodothyronine, and substrate cycling between pyruvate and oxaloacetate, E273

Thyroid-stimulating hormone

synthesis: regulation by hypothalamic and pituitary 5'-deiodinase and triiodothyronine, E983

Total parenteral nutrition

for newborn: tyrosine precursors as aromatic amino acid source, E672

Transferrin receptor

placental: effects of increased fetal iron demand in diabetes, E507

Transgenic mice

with glucagon-SV40 T antigen transgene: molecular pathophysiology (review), E629

GLUT-1 and GLUT-4: insulin responsiveness in, E738

Transgenic rat (mREN2)27

renin and aldosterone synthesis in, E515

Trauma

growth hormone as therapy: effects on lipid kinetics, E560
new method for estimating components of energy expenditure in patients with major trauma, E1002

Triglycerides

oxidation rate during exercise: effect of endurance training, E934

Triiodothyronine

effect on substrate cycling between pyruvate and oxaloacetate, E273

Tyrosine

precursors as aromatic amino acid source in neonatal total parenteral nutrition, E672

U**Ubiquitin-conjugating enzyme**

gene structure and response to fasting and insulin, E39

Uptake₁

role in removal of catecholamines from plasma, E814

Uterus

contractions: role of [Ca²⁺]_i, E77
decidua: mechanisms of endothelin-1-modulated renin and prolactin release, E842

V**Vasodilation**

role of insulin (review), E187

Vasopressin

myometrial concentration-response curves, E77
plasma and pituitary levels in streptozotocin-diabetic rat, E605

Vitamin D

1,25(OH)₂D₃
effect on calcium-regulated parathyroid hormone secretion in secondary hyperparathyroidism, E961
receptor localization in pancreas, E356

role in calcium uptake by chorioallantoic membrane, E837

Vitamin K

role in calcium uptake by chorioallantoic membrane, E837

Z**Zinc**

metabolism: effect of dietary copper on, E165

Zucker diabetic fatty rat

post-GLUT-2 pancreatic β -cell defects in, E968

pulsatile insulin secretion in, E250

Zucker obese rat

expression of fatty mutation in cultured adipocytes, E439
fat deposition in: role of sympathetic and non-sympathetic factors, E947

Author Index to Volume 30

A

- Abumrad, N. N., E49
 Aguilar, G., E260
 Aláez, C., E983
 Alhenc-Gelas, F., E745
 Allegrini, J., E745
 Andersen, H. B., E549
 Anderson, S. E., E102
 Andreassen, F., E544
 Annat, G., E775
 Apostolakis, E. M., E521
 Arduoin, B., E439
 Asa, S. L., E662
 Astrup, A., E549
 Avissar, N., E68
 Ayuso, M. S., E528
 Azain, M. J., E293

B

- Baba, S., E702
 Bae, J. W., E132
 Bagby, G. J., E886
 Bailey, R. R., E642
 Bak, J. F., E544
 Ball, R. O., E672
 Ballmer, P. E., E102, E915
 Banville, D., E39
 Barazzoni, R., E140
 Barker, H., E489
 Baron, A. D., E187
 Barrett, E. J., E337
 Bärtsch, P., E537
 Battaglia, F. C., E150
 Baumann, P. Q., E203
 Bayle, G., E877
 Beauprere, B., E907
 Begum, N., E14
 Belin, T. R., E961
 Benhizia, F., E975
 Benowitz, N. L., E1023
 Berger, C. M., E411
 Bertrand, O., E775
 Bickel, U., E124
 Bikle, D. D., E278, E822
 Biolò, G., E140, E467
 Blaak, E. E., E306, E316, E694
 Blair, J. B., E273
 Bloom, S. R., E847
 Bodenburg, Y. H., E115
 Boivin, A., E620
 Bolli, G. B., E183
 Bommelaer, G., E907
 Böni-Schnetzler, M., E226
 Bonjour, J.-P., E24
 Bonnet, Y., E877
 Boogerd, L., E860
 Bouch, C., E808
 Bouffard, Y., E775
 Bounhik, J., E745
 Bouvier, M., E718
 Bowes, S. B., E591
 Bracy, D. P., E411
 Brand, R. M., E759
 Breen, J. G., E68
 Briquet-Laugier, V., E439
 Brown, J. C., E489
 Brubaker, P. L., E662
 Brundin, T., E648
 Brunetti, P., E183
 Buchanan, A. M. J., E489

- Burson, J. M., E260
 Burton, K. A., E687
 Butta, N., E528

C

- Calder, A. G., E102
 Calvo, R., E983
 Camproux, A.-C., E795
 Carter, B. S., E150
 Caverzasio, J., E24
 Cayol, M., E907
 Chambers, J. P., E57
 Chambers, T. J., E287, E853
 Champredon, C., E877
 Chao, H.-S., E842
 Chen, L.-D., E57
 Cherrington, A. D., E402
 Chihara, K., E868
 Chinkes, D. L., E174
 Chou, J., E454
 Chow, J. W. M., E287
 Christensen, N. J., E549
 Chuknyska, R., E781, E789
 Ciprés, G., E528
 Cittadini, A., E219
 Cline, G. W., E273
 Clodi, M., E300
 Clutter, W. E., E380
 Cohen, H. J., E68
 Colao, A., E219
 Colca, J. R., E95
 Cole, T. J., E805
 Collins, L., E402
 Collin-Vidal, C., E907
 Condorelli, G., E515
 Conget, I., E573
 Cooney, R., E636
 Cortesi, R., E1
 Corvol, P., E828
 Costerousse, O., E745
 Coward, W. A., E805
 Coyle, E. F., E934
 Crawford, R. E., E7
 Cruciani, G., E183
 Cryer, P. E., E380
 Cummin, F., E612
 Cuocolo, A., E219

D

- Dagnault, A., E32
 Dauncey, M. J., E687
 Davidson, M. B., E808
 Davis, S. N., E402
 Debras, E., E877
 De Feo, P., E183
 DeFrondo, R. A., E361
 De Jong, W., E921, E927
 De Kloet, E. R., E921, E927
 Delafosse, B., E775
 DeLuca, H. F., E837
 Deshaies, Y., E620
 Dickinson, R. D., E49
 DiStefano, J. J., III, E485
 Dobrescu, C., E886
 Downing, G. J., E954
 Drucker, D. J., E629, E662
 Duchamp, C., E687
 Dugail, I., E439
 Dulloo, A. G., E801

E

- Eaton, M. A., E507
 Edwards, A. V., E447, E847
 Ehrlich, P., E662
 Eisenmann, C., E68
 Elaroussi, M. A., E837
 Enea, I., E515
 Epstein, M. A. F., E628
 Essén, P., E102

F

- Faix, D., E1023
 Fazio, S., E219
 Feener, E. P., E369
 Fennessey, P. V., E150
 Field, J. B., E454
 Flyvbjerg, A., E461
 Fontvieille, A. M., E732
 Franch-Arcas, G., E1002
 Friedgen, B., E814
 Friedmann, B., E537
 Froesch, E. R., E226
 Fryburg, D. A., E331
 Fujitsuka, N., E388
 Fukase, M., E868
 Funder, J. W., E268
 Fürnsinn, C., E300

G

- Galecki, A., E497
 Gales, B., E961
 Gallagher, A., E853
 Ganter, D., E515
 Garlick, P. J., E102, E915
 Garrel, D. R., E422
 Gasc, J.-M., E828
 Gastaldelli, A., E467
 Georgieff, M. K., E507
 Gerok, W., E343
 Gerritsen, J., E860
 Giardina, M. G., E900
 Gigante, B., E515
 Gillanders, L., E1002
 Girardier, L., E801
 Gist, I. D., E323
 Gladnen, L. B., E7
 Gleeson, T. T., E680

- Golesorkhi, N., E781, E789
 Gomez-Sánchez, C. E., E754
 Gomez-Sánchez, E. P., E754
 Goodman, W. G., E961
 Goudable, J., E775
 Grafe, K.-H., E814
 Graham, T. E., E1010
 Grande, J. P., E356
 Grant, I., E102, E915
 Graves, S. W., E77
 Gray, K., E636
 Gregerson, K. A., E781, E789
 Griglio, S., E975
 Grimshaw, R. M., E892
 Grizard, J., E877
 Gross, K. W., E260
 Guichard, C., E975
 Gupta, R., E1002

H

- Haaparanta, M., E941
 Hainault, I., E975

- Hajdúch, E., E975
 Halbrügge, T., E814
 Halloran, B. P., E278, E822
 Halter, J. B., E497
 Hanaki, Y., E234
 Handwerger, S., E842
 Hannah, L. T., E915
 Harris, J., E278, E822
 Hashizume, Y., E234
 Hausman, G. J., E293
 Häussinger, D., E343
 Hedstrom, C., E402
 Heidendaal, G. A. K., E306, E316
 Hellerstein, M. K., E1023
 Hennessy, T. R., E591
 Henry, S., E710
 Herman, W. H., E497
 Herpin, P., E687
 Higashi, S., E369
 Hill, G. L., E1002
 Hirose, Y., E702
 Hnilicka, J., E585
 Hoh, R., E1023
 Holck, P., E544
 Holman, G. D., E461
 Holness, M. J., E892
 Holsboer, F., E109
 Holst, J. J., E549
 Hopkins, K. D., E591
 Horai, S., E388
 Horowitz, S., E68
 House, J. D., E672
 Howard, D., E203
 Huang, H., E745
 Hundal, H. S., E7

I

- Inchiostro, S., E140
 Inoguchi, T., E369
 Inui, A., E702

J

- Jackson, N. C., E591
 Jacquez, J. A., E497
 Jansson, P.-A., E1035
 Jarrous, A., E49
 Jeevanandam, M., E560
 Jéquier, E., E710
 Johnson, D. E., E507
 Johnson, J. A., E356
 Johnson, J. H., E968
 Jones, C. T., E447
 Jones, R. H., E591
 Jost, J., E537
 Jung, C. Y., E132
 Jurasiński, C., E636

K

- Kanatani, M., E868
 Karjala, R. G., E808
 Kasuga, M., E702
 Kato, S., E234
 Katzeff, H. L., E63
 Kelly, J. M., E591
 Kelly, M., E612
 Kemerink, G. J., E306, E316
 Kempen, K. P. G., E694
 Kieffer, T. J., E489
 Kim, S.-S., E132

King, G. L., E369
 Kingham, K., E990
 Klein, I., E63
 Klein, S., E934
 Knuuti, M. J., E941
 Kobayashi, S., E396
 Koehler, E., E605
 Körtner, G., E947
 Koshiya, K., E702
 Kumar, P., E57
 Kumar, R., E356
 Kunisaki, M., E369
 Kurowski, T. G., E95
 Kushner, R. F., E585

L

LaBua, A., E1023
 Lacy, D. B., E411
 Lagrange, D., E975
 Lall, H., E892
 Lang, C. H., E49
 Lang, F., E343
 Larbaud, D., E877
 Lariviere, F., E422
 Larsen, F. S., E461
 Larson, D. E., E732
 Lauer, C., E109
 Lavau, M., E439, E975
 Leclercq-Meyer, V., E573
 Lee, Y., E156
 Lee, Y. H., E968
 Le Liepvre, X., E439
 Leroith, D., E278
 Leuvenink, H., E300
 Levitsky, L. L., E88
 Lewis, G. F., E566
 Lewis, L. K., E642
 Ljungqvist, O., E102
 Lombardi, G., E219
 Longo, L. D., E521
 Longobardi, S., E219
 Lönnroth, P., E1035
 Lucidi, P., E183
 Luke, A. H., E585
 Lund, S., E461
 Luskey, K. L., E156
 Luzzi, L., E361
 Lynn, K. L., E642

M

Macica, C. M., E242
 MacLean, D. A., E1010
 Madsen, J., E549
 Maeda, H., E234
 Maher, F., E605
 Maher, K., E1002
 Malaisse, W. J., E573
 Malewiak, M.-I., E975
 Manchester, L. C., E57
 Marchetti, B., E718
 Marie, P. J., E1
 Marker, J. C., E380
 Marshall, B. A., E738
 Martin, M. A., E983
 Martín-Requero, A., E528
 Martin, R. J., E293
 Mason, R. S., E990
 Matarazzo, M., E900
 Mazzeo, R. S., E680
 McHenry, B., E599
 McKay, H., E507
 McNulty, P. H., E337
 McNurlan, M. A., E102
 Menheere, P. P. C. A., E694

Mento, P. F., E242
 Merola, B., E219
 Meschia, G., E150
 Midgley, A. R., E759
 Miller, R. K., E68
 Mineo, H., E234
 Mink, K., E88
 Miura, M., E702
 Modrowski, D., E1
 Molina, P. E., E49
 Möller, N., E544
 Monk, D. N., E1002
 Montessuit, C., E24
 Montplaisir, I., E620
 Moore, N. G., E475
 Moores, R. R., Jr., E150
 Morale, M. C., E718
 Morey-Holton, E., E278, E822
 Morgan, K. G., E77
 Moussalli, R., E422
 Mueckler, M. M., E738
 Mueller, K., E1
 Murakami, T., E388
 Murata, K., E234
 Myles, K., E268

N

Nadal, A., E769
 Nagamani, M., E115
 Nagasawa, Y., E968
 Nair, K. S., E203
 Nakai, N., E388
 Nakajima, M., E702
 Neese, R. A., E1023
 Nemeth, E. F., E429
 Nicholls, M. G., E642
 Nicolai, E., E219
 Nielsen, M. F., E544
 Nogami, H., E396
 Normand, S., E775
 Nowotny, P., E300
 Nuutila, P., E941
 Nyholm, B., E544

O

Obled, C., E907
 Obregón, M. J., E983
 Ohneda, M., E968
 Ojamaa, K. M., E63
 Okita, M., E702
 Okuda, Y., E454
 Onaga, T., E234
 Orlando, R., E140
 O'Rourke, B. D., E203
 Ortiz-Alonso, F. J., E497
 Ostrega, D. M., E250
 Owens, E., E636
 Ozawa, T., E388

P

Pachiaudi, C., E775
 Pakbiers, M. T. W., E306, E316
 Paradis, P., E718
 Pardridge, W. M., E124
 Parker, C. A., E77
 Parrilla, R., E528
 Pascual-Leone, A. M., E983
 Patava, J., E990
 Pedersen, O., E461
 Pederson, R. A., E489
 Pegg, G. G., E475
 Peirce, J., E115
 Pekala, P. H., E886
 Peña, J., E454

Pencharz, P. B., E672
 Peter, M., E226
 Petersen, K. F., E273
 Petersen, S. R., E560
 Petit, F., E49
 Petrides, A. S., E361
 Petrova, O., E947
 Petry, C. D., E507
 Pidgeon, G. B., E642
 Pieber, T., E300
 Pieber, T. R., E156
 Pino, A., E140
 Plank, L. D., E1002
 Podolin, D. A., E680
 Poeggeler, B., E57
 Poisner, A. M., E842, E954
 Poisner, R., E842
 Pollmächer, T., E109
 Polonsky, J. S., E250
 Polonsky, K. S., E250
 Pörksen, N., E544
 Price, L., E402
 Pugh, W. L., E250
 Pun, K., E1023

Q

Quignard-Boulangé, A., E439,
 E975

R

Raben, A., E549
 Racette, S. B., E585
 Racke, F. K., E429
 Radziuk, J., E210
 Raitakari, M., E941
 Ramirez, J. A., E961
 Rasschaert, J., E573
 Ravussin, E., E732
 Reiter, R. J., E57
 Repke, J. T., E77
 Revkin, J. H., E337
 Rhoads, D. B., E88
 Richard, D., E32
 Richards, A. M., E642
 Rising, R., E732
 Ritz, P., E805
 Roberts, C. T., E278
 Roberts, T. J., E293
 Roche, P. C., E356
 Roden, M., E300
 Rohac, M., E300
 Roitelman, J., E156
 Romano, M., E515
 O'Rourke, B. D., E203
 Ortiz-Alonso, F. J., E497
 Ostrega, D. M., E250
 Owens, E., E636
 Ozawa, T., E388

S

Saarela, S., E57
 Sabatini, D., E219
 Saccà, L., E219, E900
 Saha, A. K., E95
 Sakurai, Y., E174
 Saltin, B., E1010
 Salusky, I. B., E961
 Salvatore, D., E515
 Samani, N. J., E612
 Samii, A., E124
 Sandgren, A., E102
 Sano, K., E702

T

Tan, D.-X., E57
 Tang, J., E250
 Tappy, L., E710
 Tauveron, I., E877
 Teranishi, A., E702
 Teräs, M., E941
 Tessari, P., E140
 Tesseraud, S., E877
 Thalabard, J.-C., E795
 Thiéblot, P., E877
 Thomas, G., E795
 Thorell, A., E102

Thornton, C., E599
 Tiengo, A., E140
 Tissot, S., E775
 Tjäder, I., E102
 Tobias, J. H., E853
 Togami, J., E702
 Tokuyama, K., E388
 Toulian, P., E710
 Trimarco, B., E515
 Tucker, D., E662
 Turnlund, J. R., E165

U

Ueno, N., E702
 Uffelman, K. D., E566
 Umpleby, A. M., E591
 Unger, R. H., E968
 Urban, R. J., E115
 Urcelay, E., E528

V

Valdeolmillos, M., E769
 Valentine, D. L., E656
 Valverde, I., E573
 Van Baak, M. A., E306, E316,
 E694
 Van den Berg, D. T. W. M.,
 E921, E927
 Van Der Heide, D., E860
 Vannice, J., E636
 Vannucci, S. J., E605
 Vary, T., E636
 Venkatesan, N., E808
 Versloot, P. M., E860
 Viale, J. P., E775
 Villanueva-Peña Carrillo, M. L.,
 E573
 Vogt, S., E947
 Voipio-Pulkki, L.-M., E941

Volpe, M., E515
 Volpi, E., E183

W

Wahren, J., E648
 Waldhäusl, W., E300
 Wasserman, D. H., E411
 Watanabe, T., E396
 Watt, P. W., E7
 Wegelius, U., E941
 Welle, S., E599
 Weller, B., E566
 Wernermaier, J., E102
 Wiedemann, K., E109
 Wilkes, B. M., E242
 Williams, L. M., E915
 Williams, W. J., E759
 Wing, S. S., E39
 Wobken, J. D., E507
 Wolfe, R. R., E174, E467, E934

Wood, J. M., E612
 Wykes, L. J., E672

X

Xia, P., E369

Y

Yanaihara, N., E234
 Yandle, T. G., E642
 Yellon, S. M., E521
 Yki-Järvinen, H., E941
 Young, L. H., E337

Z

Zanetti, M., E140
 Zapf, J., E226
 Zhang, X.-J., E174, E467
 Zheng, Q., E88
 Ziegler, F., E907
 Zinman, B., E566